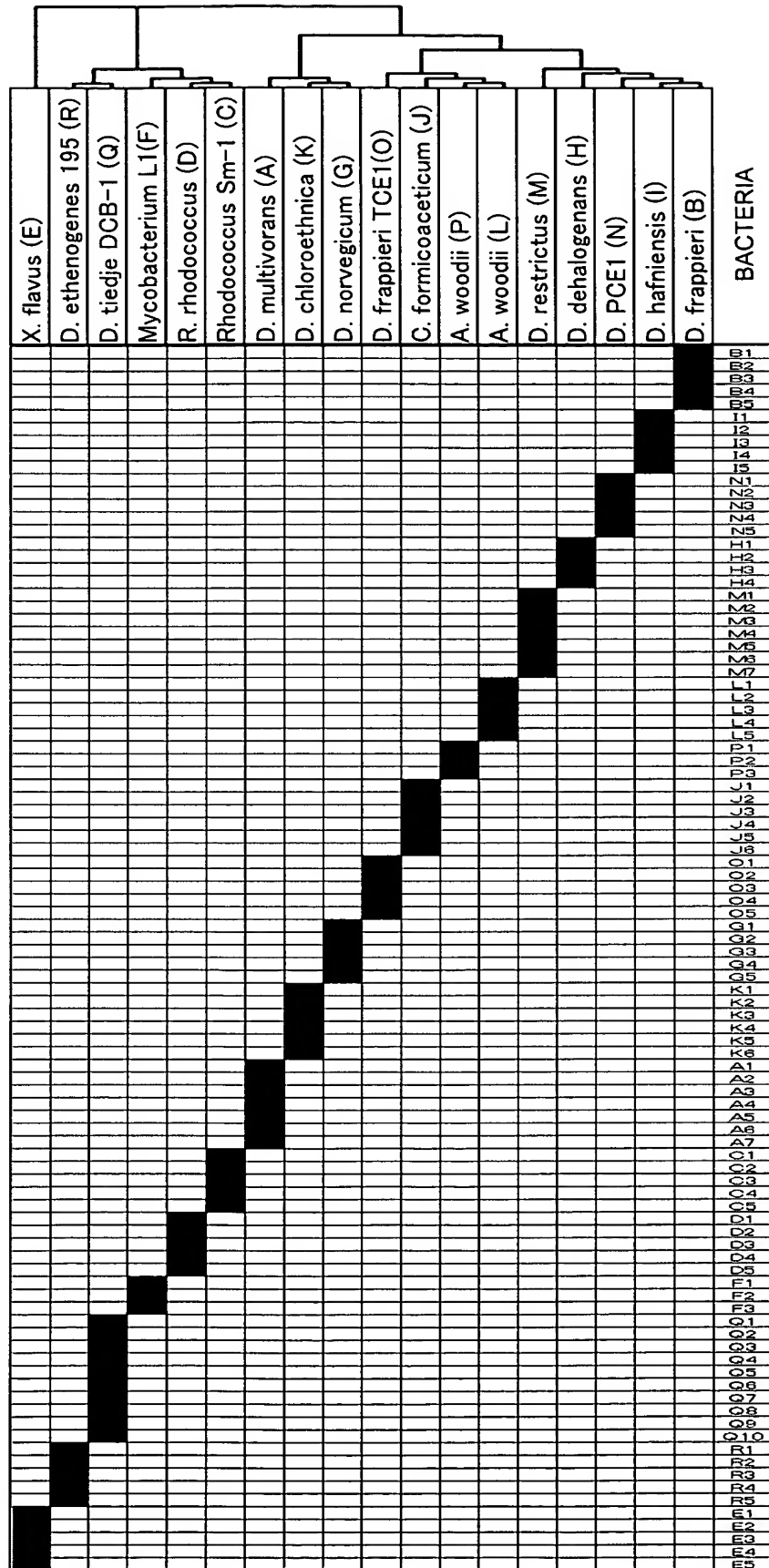


FIG. 1

ITS
SEQUENCE
ALIGNMENT



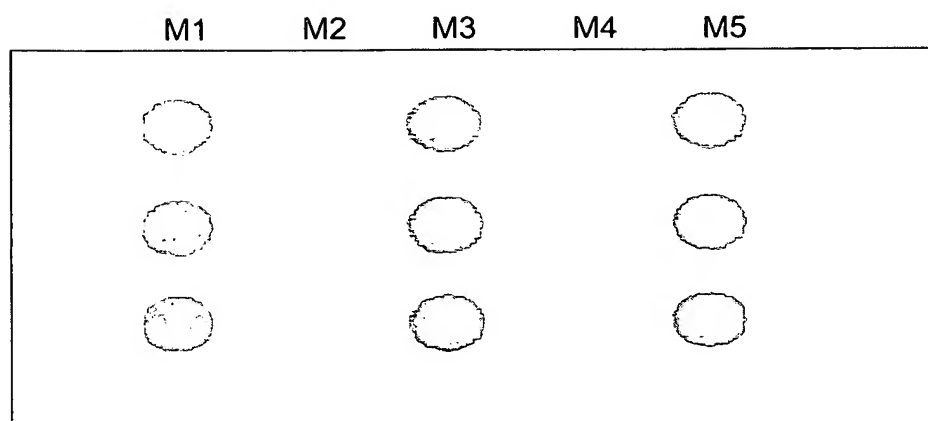


FIG. 2A

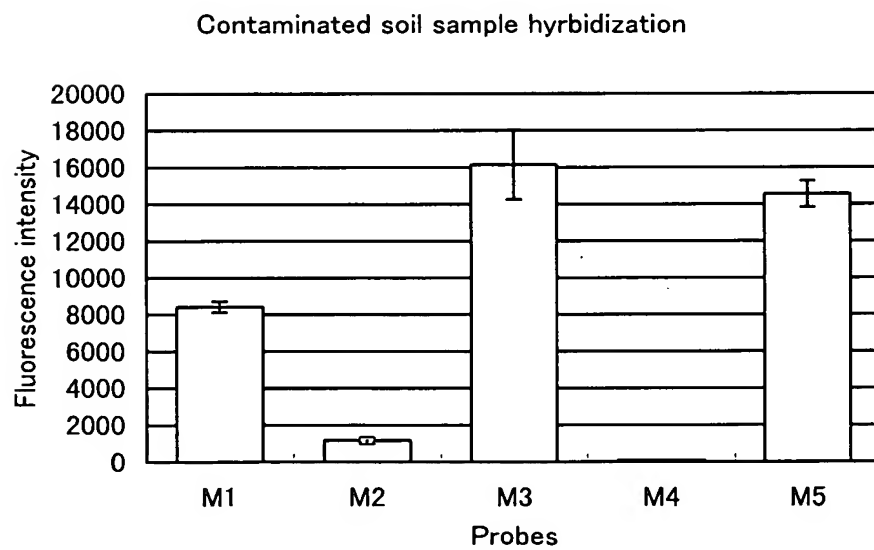


FIG. 2B

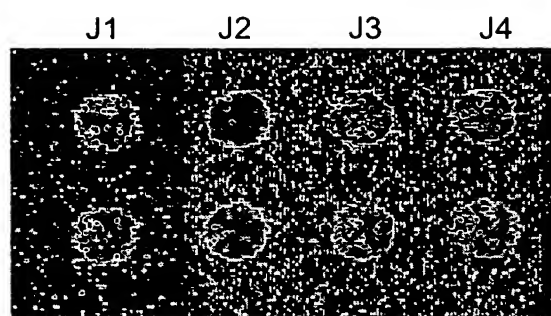


FIG. 3A

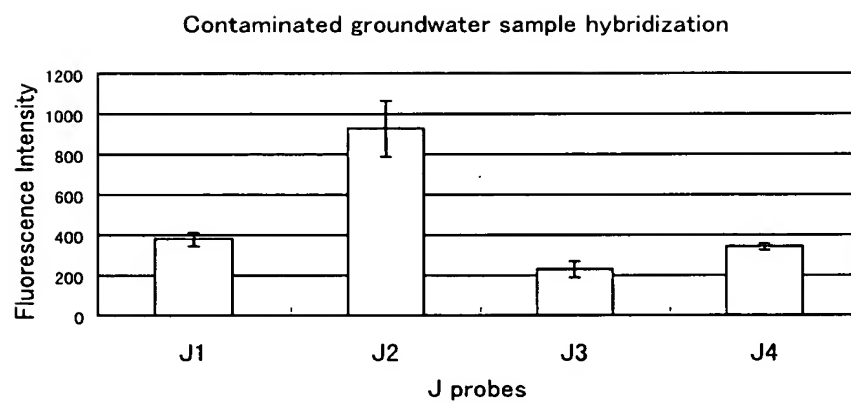
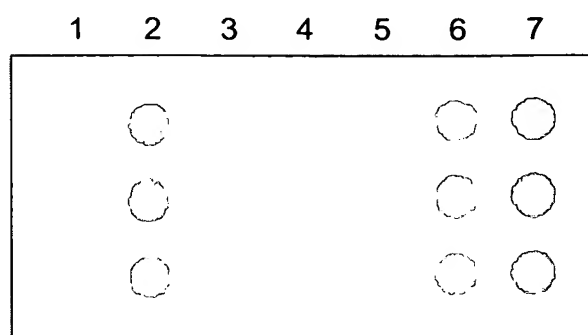


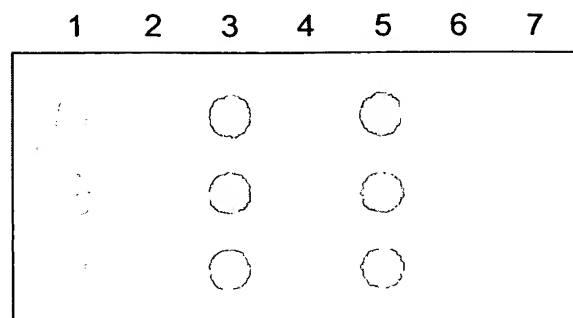
FIG. 3B

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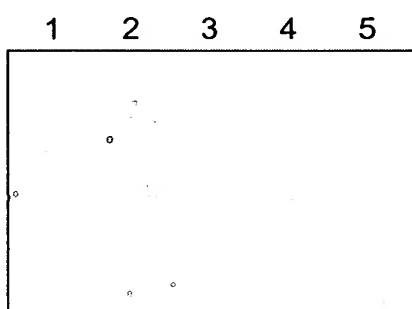
A probes (for *Dehalospirillum multivorans*)



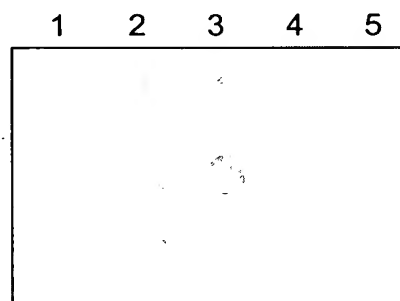
M probes (for *Dehalobacter restrictus*)



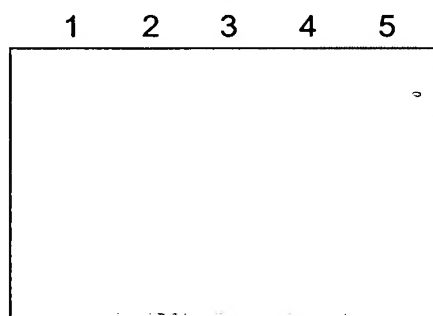
B probes (for *Desulfitobacterium frappieri*)



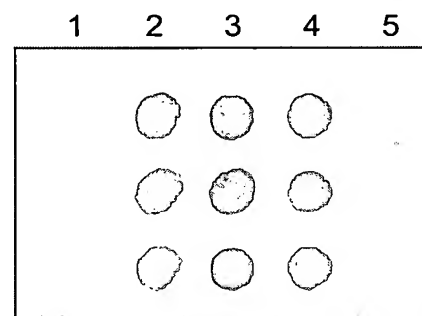
N probes (for *Desulfitobacterium* PCE1)



I probes (for *Desulfitobacterium hafniense*)



O probes (for *Desulfitobacterium frappieri* TCE1)



J probes (for *Clostridium formicoaceticum*)

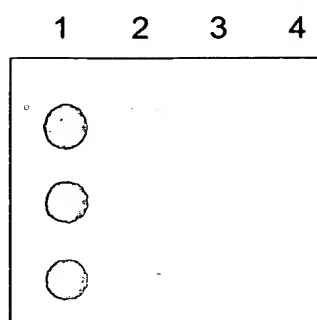


FIG. 4

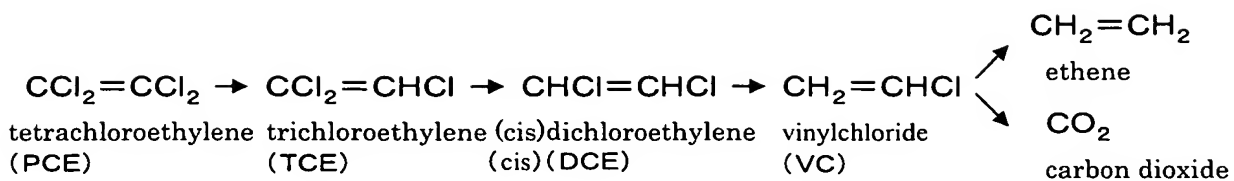


FIG. 5A

| | |
|---|-------------------------------|
| <i>Dehalococcoides ethenogenes</i> 195 R | PCE → TCE → DCE → VC → ethene |
| <i>Desulfitobacterium frappieri</i> B | PCE → TCE → cisDCE |
| <i>Desulfitobacterium hafniense</i> I | |
| <i>Desulfitobacterium dehalogenans</i> H | |
| <i>Desulfitobacterium</i> sp. strain PCE1 N | |
| <i>Desulfitobacterium frappieri</i> TCE1 O | |
| <i>Desulfomonile tiedjei</i> DCB-1 Q | |
| <i>Desulfuromonas chloroethenica</i> K | PCE → TCE → DCE |
| <i>Acetobacterium woodii</i> L | PCE → TCE |
| <i>Acetobacterium woodii</i> P | |
| <i>Clostridium formicoaceticum</i> J | PCE → TCE |
| <i>Dehalobacter restrictus</i> M | PCE → cisDCE |
| <i>Dehalospirillum multivorans</i> A | PCE → cisDCE |
| <i>Desulfomicrobium norvegicum</i> G | PCE → cisDCE |
| <i>Rhodococcus</i> sp. Sm-1 C | DEC, VC → CO ₂ |
| <i>Rhodococcus rhodococcus</i> D | |
| <i>Xanthobacter flavus</i> E | DCE, VC → CO ₂ |
| <i>Mycobacterium</i> L1 F | VC → CO ₂ |

FIG. 5B